Sim Models & Software

Sim Models

Verilog 🔒

Verilog_MT25T_3V_512Mb_H Config_VG (GZ)

Verilog Twin Quad_H Version_2 Clocks_2 Chip Select_133MHz

Embedded Memory Solutions
MT25T
NOR Flash

File Type: GZ   **Updated:** 02/07/2017

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Software

Software Driver 🔒

MT25Q (128Mb, 256Mb, 512Mb, 1Gb, 2Gb) General Low-Level Driver (ZIP)

General low-level driver for MT25Q serial NOR. Download the technical note for this driver here.

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NOR Flash
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File Type: ZIP   **Updated:** 06/14/2016

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Software Driver 🔒

N25Q (16Mb, 32Mb, 64Mb, 128Mb, 256Mb, 512Mb, 1Gb) General Low-Level Driver v2.1 (ZIP)

General low-level driver for N25Q serial NOR. Download the technical note for this driver here.

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File Type: ZIP   **Updated:** 08/31/2015

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Software Driver 🔒

Serialize Function for the SPI Controller (ZIP)

Provides the serialize function for the serial peripheral interface (SPI) controller for Micron's serial Flash devices (NAND, NOR, and PCM).

NOR Flash
Serial NOR Flash

File Type: ZIP   **Updated:** 12/28/2011

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT25TL512HBA8E12 0SIT

Part-specific certification of how this product meets the requirements of the current DIRECTIVE 2002/95/EC, a.k.a. Restriction of Hazardous Substances (RoHS) Directive.

File Type: (PDF)   **Updated:** 03/2017

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RoHS Certificates

China RoHS Certificate (PDF)

MT25TL512HBA8E12 0SIT

Part-specific certification as required by China's Management Methods for Controlling Pollution by Electronic Information Products.

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Documentation & Support

See All Serial NOR Flash Documentation

Technical Notes

SEARCH (35) SERIAL NOR FLASH TECHNICAL NOTES

Technical Notes

TN-12-29: Reset Configurations for MT25Q, MT25T, and N25Q Flash Memory Devices (PDF)

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(TN-12-29) This technical note provides a list of the reset configurations available for MT25Q, MT25T, and N25Q Flash memory devices.

File Type: PDF   **Updated:** 01/13/2017

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Technical Notes

TN-25-01: Migrating from Micron's N25Q to Micron's MT25Q (PDF)

NOR Flash
Serial NOR Flash

(TN-25-01) This technical note describes the process for converting a system design from the Micron N25Q Flash memory device to the Micron MT25Q Flash memory device. PCN's 32162, 32163

File Type: PDF   **Updated:** 12/02/2016

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Technical Notes

TN-25-05: N25Q and MT25Q Serial Flash Stacked Devices (PDF)

Automotive
NOR Flash
Serial NOR Flash

(TN-25-05) This technical note describes the features of stacked devices for N25Q and MT25Q. These devices are memory with two or more dies in the same package.

File Type: PDF   **Updated:** 10/24/2016   **DOWNLOAD**

TN-25-31: Migrating N25Q 64Mb Standard to Enhanced - Serial NOR Flash (PDF)

(TN-25-31) This technical note provides information to help users to migrate from a standard configuration to an enhanced program and erase speed configuration of the Micron Flash memory N25Q 64Mb device.

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Technical Notes

TN-25-09: Layout Guidelines - Serial NOR Flash (PDF)

(TN-25-09) This technical note provides PCB designers basic guidelines for optimizing signal layout and power supply lines in Micron's Serial NOR Flash device to prevent signal integrity problems.

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SEARCH (35) SERIAL NOR FLASH TECHNICAL NOTES

Parts with the same Data Sheet (3)

	MT25TL512HBA8E12-0SIT (Current)	MT25TL512HBA8ESF-0SIT	MT25TL512BBA8ESF-0AAT	MT25TL512HBA8ESF-0AAT
Part Status	Sampling	Production	Production	Production
Density	512Mb	512Mb	512Mb	512Mb
Width	x8	x8	x8	x8
Voltage	2.7V-3.6V	2.7V-3.6V	2.7V-3.6V	2.7V-3.6V
Package	T-PBGA	SO16 Wide	SO16 Wide	SO16 Wide
Pin Count	24-ball	16-pin	16-pin	16-pin
Speed	133 MHz	133 MHz	133 MHz	133 MHz
RoHS	Yes	Yes	Yes	Yes
Type	Stacked	Stacked	Stacked	Stacked
Op Temp	-40C to +85C	-40C to +85C	-40C to +105C	-40C to +105C

Applications	**Embedded**	Embedded	**Automotive**	**Automotive**
Part Family	**MT25T**	MT25T	MT25T	MT25T
Media	**Tray, Tape & Reel**	Tray, Tape & Reel	Tray, Tape & Reel	Tray, Tape & Reel

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT25TL512HBA8E12-0SIT	Sampling	N/A	RW224	N/A	N/A	No		N/A

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- OR -

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